

JW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: PETROVIC, Zmaj

SERIAL NO.: 10/510,330

FILED: April 7, 2005



ART UNIT: 3651

EXAMINER: Hess, D.A.

TITLE: CONVEYOR UNIT WITH ACCUMULATION OF RECEPTACLES SUCH AS BOTTLES

Amendment A: CLAIM AMENDMENTS

Claims 1 - 3 (canceled). Please cancel Claims 1 - 3 and substitute Claims 4 - 6 therefor as follows.

4. (new) A conveyor system for accumulation of receptacles comprising:

a feed conveyor;

an accumulation table onto which said feed conveyor opens to at an upstream end of said accumulation table;

a passive aligning means positioned for receiving the receptacles downstream of said accumulation table;

a processing unit downstream of said passive aligning means, said passive aligning means for conveying the receptacles in a single row to said processing unit, said passive aligning means running parallel to said accumulation table;

a transfer conveying means positioned downstream of said accumulation table, said transfer conveying means having a first guiding rail for pushing the receptacles laterally to said passive aligning means; and

a transition conveying means juxtaposed by said transfer conveying means, said transition conveying means for running in a direction opposite to a direction that said transfer

conveying means runs, said transition conveying means for feeding the receptacles to said passive aligning means.

5. (new) The conveyor system of Claim 4, said transition conveying means having a second guiding rail at one side thereof for urging the receptacles in a direction away from said one side, said passive aligning means having a table, said table having a third guiding rail positioned above said table of said passive aligning means

6. (new) The conveying system of Claim 4, said transition conveying means being formed by a juxtaposition of chains that have an increasing speed gradient extending transversely thereacross.